

Title (en)  
IMPROVEMENTS RELATING TO EER TRANSMITTERS

Title (de)  
VERFAHREN ZUM VERBESSERN VON SENDERN

Title (fr)  
AMELIORATIONS APORTEES DES EMETTEURS EER

Publication  
**EP 1226651 A4 20030423 (EN)**

Application  
**EP 00970330 A 20000929**

Priority  
• NZ 0000189 W 20000929  
• NZ 33809799 A 19990929

Abstract (en)  
[origin: WO0124356A1] Amplification systems based on EER techniques, generally using digital methods to determine envelope and phase information. Cartesian or predistortion feedback is preferably used to improve a range of characteristics. Envelope modulation may be implemented in various ways such as a sigma delta modulator. Phase modulation may also be implemented in various ways such as a fractional N phase lock loop.

IPC 1-7  
**H03C 5/00**; **H04L 27/34**; **H03L 7/197**; **H03F 1/32**

IPC 8 full level  
**H03F 1/02** (2006.01); **H03F 1/32** (2006.01); **H03L 7/089** (2006.01); **H03L 7/18** (2006.01); **H03L 7/197** (2006.01)

CPC (source: EP)  
**H03F 1/0266** (2013.01); **H03F 1/3247** (2013.01); **H03F 1/3282** (2013.01); **H03L 7/0891** (2013.01); **H03L 7/0898** (2013.01); **H03L 7/18** (2013.01); **H03F 2200/102** (2013.01); **H03F 2200/331** (2013.01); **H03L 7/1974** (2013.01)

Citation (search report)  
• [XY] EP 0360178 A2 19900328 - HUGHES NETWORK SYSTEMS [US]  
• [Y] WO 9905783 A1 19990204 - MOTOROLA INC [US]  
• [Y] WO 9914859 A1 19990325 - ERICSSON TELEFON AB L M [SE]  
• [XY] US 5420536 A 19950530 - FAULKNER MICHAEL [AU], et al  
• [Y] GB 2283629 A 19950510 - MOTOROLA LTD [GB]  
• [Y] MUHONEN K ET AL: "Amplifier linearization for the local multipoint distribution system application", PERSONAL, INDOOR AND MOBILE RADIO COMMUNICATIONS, 1998. THE NINTH IEEE INTERNATIONAL SYMPOSIUM ON BOSTON, MA, USA 8-11 SEPT. 1998, NEW YORK, NY, USA,IEEE, US, 8 September 1998 (1998-09-08), pages 687 - 692, XP010314506, ISBN: 0-7803-4872-9  
• See references of WO 0124356A1

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